

# Matthew Gunton

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## EDUCATION

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### Lehigh University

Bethlehem, PA

Bachelor of Science, Computer Science and Business

GPA: 3.79

Expected May 2022

Courses: Database Systems Algorithms and Applications, Computer Applications in Business, Computer Organization and Architecture, Linear Methods, Systems Software, Programming and Data Structures, Programming Languages, Foundations of Discrete Structures and Algorithms, Web Design I

## LANGUAGES AND FRAMEWORKS

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**Fluent** — Node, React, CSS3, HTML5, React Native, Java

**Experienced** — Alexa, SQL, C#, C, MongoDB

## PROFESSIONAL EXPERIENCE

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### InstaMed- a JPMorgan Company

Newport Beach, CA

Software Engineering Intern

June 2020 — August 2020

- Create an SMS payment interface proof of concept in C# Web API, interacting with Twilio API
- Reverse engineered the Twilio Controller for use with Web API rather than MVC
- Experience with Microsoft Development Environment
- Experience developing microservices
- C#, .NET, XML, JSON

### Sintan Inc

Whitehouse Station, NJ

Software Engineering Intern

June 2019 — August 2019

- Created a Node script that would check if a doctor's website had been updated, could handle up to 200 websites at once completing in roughly 5 seconds
- Designed a new website for the company created entirely in JavaScript, HTML, and CSS3
- Node, HTML, CSS3

### Dolomite

Bethlehem, PA

Front-End Engineer

February 2019 — November 2019

- Created smart contract functions (Solidity) and corresponding tests
- Created a user interface for users to interact with Uniswap Smart Contracts
- Styled and built corresponding functionality for a referral component in React
- Created their online apparel store (store.dolomite.io) utilizing Shopify
- React, Shopify, solidity, JavaScript

## PERSONAL PROJECTS

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### Campus-Wide Egg Hunt

March 2020

- hundreds of participants
- 2000 eggs hidden manually with each egg having a unique code
- Created a system that would create secure numbers via check digit
- Drove 1000% increase in traffic to my website
- **HTML, CSS, JavaScript, MongoDB, Node Backend**

### Machine Learning Hearing Project

August 2020

- Built a Convolutional Neural Network to determine which sounds were signaling danger and thus should be magnified, and which could be safely dampened by a hearing aid
- Using roughly 20GB worth of Audio Data
- **Python, Amazon Data Exchange, Amazon EC2**